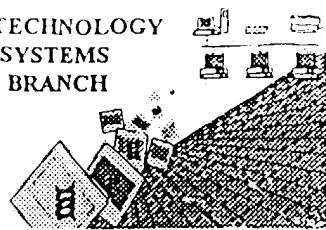


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/797,333
Source: IFWO-
Date Processed by STIC: 3/22/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03; TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE SEE BELOW FOR ADDRESS.

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/ebe/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>101797,333</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <u> </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u> </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <u> </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 07/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004
TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt
Output Set: N:\CRF4\03222004\J797333.raw

3 <110> APPLICANT: PINTER, JONATHON H.
 4 KURIHARA, TAKAO
 5 SLEPTSOVA, IRINA
 6 BRUENING, ERIC EGON
 7 ZIEHLER, WILLIAM
 8 MAKAROV, VLADIMIR L.
 10 <120> TITLE OF INVENTION: IN VITRO DNA IMMORTALIZATION AND WHOLE GENOME
 11 AMPLIFICATION USING LIBRARIES GENERATED FROM RANDOMLY
 12 FRAGMENTED DNA
 14 <130> FILE REFERENCE: RUBC:021US
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/797,333
 17 <141> CURRENT FILING DATE: 2004-03-08
 19 <150> PRIOR APPLICATION NUMBER: 60/453,071
 20 <151> PRIOR FILING DATE: 2003-03-07
 22 <160> NUMBER OF SEQ ID NOS: 145
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 20
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 33 Primer
 35 <400> SEQUENCE: 1
 36 gagtagaaatt ctaatatctca 20
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 20
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial Sequence
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 46 Primer
 48 <400> SEQUENCE: 2
 49 gagatattag aattctactc 20
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 21
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 59 Primer
 61 <400> SEQUENCE: 3
 62 agtgggattc cgcatgctag t 21

**Does Not Comply
Corrected Diskette Needed
(pg. 5) ↗**

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004

TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt
 Output Set: N:\CRF4\03222004\J797333.raw

65 <210> SEQ ID NO: 4
 66 <211> LENGTH: 12
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Artificial Sequence
 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 72 Primer
 74 <400> SEQUENCE: 4
 75 taactagcat gc 12
 78 <210> SEQ ID NO: 5
 79 <211> LENGTH: 20
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 85 Primer
 87 <220> FEATURE:
 88 <221> NAME/KEY: modified_base
 89 <222> LOCATION: (14)..(17)
 90 <223> OTHER INFORMATION: N = A, C, G OR T/U
 92 <400> SEQUENCE: 5

W--> 93 ttgcggccgc attnnnnttc

20

96 <210> SEQ ID NO: 6
 97 <211> LENGTH: 22
 98 <212> TYPE: DNA
 99 <213> ORGANISM: Artificial Sequence
 101 <220> FEATURE:
 102 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 103 Primer
 105 <220> FEATURE:
 106 <221> NAME/KEY: modified_base
 107 <222> LOCATION: (11)..(16)
 108 <223> OTHER INFORMATION: N = A, C, G OR T/U
 110 <400> SEQUENCE: 6

W--> 111 ccgactcgac nnnnnnatgt gg

22

114 <210> SEQ ID NO: 7
 115 <211> LENGTH: 21
 116 <212> TYPE: DNA
 117 <213> ORGANISM: Artificial Sequence
 119 <220> FEATURE:
 120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 121 Primer
 123 <220> FEATURE:
 124 <221> NAME/KEY: modified_base
 125 <222> LOCATION: (17)..(21)
 126 <223> OTHER INFORMATION: N = A, C, G OR T/U
 128 <400> SEQUENCE: 7

W--> 129 tgtagctct tgatcannnn n

21

132 <210> SEQ ID NO: 8

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004

TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt
 Output Set: N:\CRF4\03222004\J797333.raw

```

133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
139     Primer
141 <400> SEQUENCE: 8
142 agagttggta gcttttgc 20
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 28
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
152     Primer
154 <220> FEATURE:
155 <221> NAME/KEY: modified_base
156 <222> LOCATION: (23)..(28)
157 <223> OTHER INFORMATION: N = A, C, G OR T/U
159 <400> SEQUENCE: 9
W--> 160 gtaatacgac tcactatagg gcnnnnnn 28
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 22
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170     Primer
172 <400> SEQUENCE: 10
173 gtaatacgac tcactatagg gc 22
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 18
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183     Primer
185 <400> SEQUENCE: 11
186 gtaatacgac tcactata 18
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 14
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196     Primer
198 <220> FEATURE:
199 <221> NAME/KEY: modified_base
200 <222> LOCATION: (1)..(2)

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004

TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt
 Output Set: N:\CRF4\03222004\J797333.raw

201 <223> OTHER INFORMATION: N = A, C, G OR T/U

203 <400> SEQUENCE: 12

W--> 204 nncctatagt gagt**14**

207 <210> SEQ ID NO: 13

208 <211> LENGTH: 15

209 <212> TYPE: DNA

210 <213> ORGANISM: Artificial Sequence

212 <220> FEATURE:

213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer

216 <220> FEATURE:

217 <221> NAME/KEY: modified_base

218 <222> LOCATION: (1)..(3)

219 <223> OTHER INFORMATION: N = A, C, G OR T/U

221 <400> SEQUENCE: 13

W--> 222 nnncctataag tgagt**15**

225 <210> SEQ ID NO: 14

226 <211> LENGTH: 11

227 <212> TYPE: DNA

228 <213> ORGANISM: Artificial Sequence

230 <220> FEATURE:

231 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer

234 <220> FEATURE:

235 <221> NAME/KEY: modified_base

236 <222> LOCATION: (4)..(8)

237 <223> OTHER INFORMATION: N = A, C, G or T/U

239 <400> SEQUENCE: 14

W--> 240 gacnnnnngt c**11**

243 <210> SEQ ID NO: 15

244 <211> LENGTH: 12

245 <212> TYPE: DNA

246 <213> ORGANISM: Artificial Sequence

248 <220> FEATURE:

249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer

252 <220> FEATURE:

253 <221> NAME/KEY: modified_base

254 <222> LOCATION: (1)..(12)

255 <223> OTHER INFORMATION: N = A, C, G OR T/U

257 <400> SEQUENCE: 15

W--> 258 nacnnnnngta cn**12**

261 <210> SEQ ID NO: 16

262 <211> LENGTH: 12

263 <212> TYPE: DNA

264 <213> ORGANISM: Artificial Sequence

266 <220> FEATURE:

267 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004
TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt
Output Set: N:\CRF4\03222004\J797333.raw

270 <220> FEATURE:
271 <221> NAME/KEY: modified_base
272 <222> LOCATION: (4)..(9)
273 <223> OTHER INFORMATION: N = A, C, G OR T/U
275 <400> SEQUENCE: 16

w--> 276 **cgannnnnt gc** 12
279 <210> SEQ ID NO: 17
280 <211> LENGTH: 11
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer
288 <220> FEATURE:
289 <221> NAME/KEY: modified_base
290 <222> LOCATION: (4)..(8)
291 <223> OTHER INFORMATION: N = A, C, G OR T/U
293 <400> SEQUENCE: 17

w--> 294 **gccnnnnnng c** 11
297 <210> SEQ ID NO: 18
298 <211> LENGTH: 10
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer
306 <220> FEATURE:
307 <221> NAME/KEY: modified_base
308 <222> LOCATION: (4)..(7)
310 <400> SEQUENCE: 18

w--> 311 **gatnnnnatc** 10
please explain "N"
locations and residue
which "N" represents.
"N" represents
314 <210> SEQ ID NO: 19
315 <211> LENGTH: 11
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Primer
323 <220> FEATURE:
324 <221> NAME/KEY: modified_base
325 <222> LOCATION: (3)..(9)
326 <223> OTHER INFORMATION: N = A, C, G OR T/U
328 <400> SEQUENCE: 19

w--> 329 **ccnnnnnnng g** 11
332 <210> SEQ ID NO: 20
333 <211> LENGTH: 11
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:

Please
see item
9 on
error
summary
sheet.

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004
TIME: 09:38:37

Input Set : A:\RUBC021USSequenceListing.APP.txt
Output Set: N:\CRF4\03222004\J797333.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 14,15,16,17
Seq#:6; N Pos. 11,12,13,14,15,16
Seq#:7; N Pos. 17,18,19,20,21
Seq#:9; N Pos. 23,24,25,26,27,28
Seq#:12; N Pos. 1,2
Seq#:13; N Pos. 1,2,3
Seq#:14; N Pos. 4,5,6,7,8
Seq#:15; N Pos. 1,4,5,6,7,12
Seq#:16; N Pos. 4,5,6,7,8,9
Seq#:17; N Pos. 4,5,6,7,8
Seq#:18; N Pos. 4,5,6,7
Seq#:19; N Pos. 3,4,5,6,7,8,9
Seq#:20; N Pos. 4,5,6,7,8
Seq#:21; N Pos. 4,5,6,7,8,9
Seq#:22; N Pos. 4,5,6,7,8,9
Seq#:23; N Pos. 4,5,6,7,8
Seq#:24; N Pos. 6,7,8,9,10
Seq#:25; N Pos. 4,5,6,7
Seq#:26; N Pos. 3,4,5,6,7,8,9
Seq#:27; N Pos. 4,5,6,7,8
Seq#:28; N Pos. 4,5,6,7
Seq#:29; N Pos. 5,6,7,8,9
Seq#:30; N Pos. 4,5,6,7,8,9,10,11,12
Seq#:31; N Pos. 4,5,6,7
Seq#:34; N Pos. 21
Seq#:35; N Pos. 1
Seq#:39; N Pos. 1
Seq#:40; N Pos. 22,23
Seq#:41; N Pos. 22
Seq#:42; N Pos. 1,2,3,4
Seq#:43; N Pos. 1,2,3,4,5
Seq#:44; N Pos. 21,22
Seq#:45; N Pos. 21,22,23
Seq#:46; N Pos. 21,22,23,24
Seq#:47; N Pos. 21,22,23,24,25

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004

TIME: 09:38:37

Input Set : A:\RUBC021USSequenceListing.APP.txt
Output Set: N:\CRF4\03222004\J797333.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0